

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-098035

(43)Date of publication of application : 10.04.2001

(51)Int.Cl.

C08F232/08  
C08F 4/642

(21)Application number : 11-275076

(71)Applicant : NIPPON ZEON CO LTD

(22)Date of filing : 28.09.1999

(72)Inventor : SAKAMOTO MASATO  
TSUNOKAI YASUO**(54) NORBORNENE TYPE ADDITION COPOLYMER HAVING UNSATURATED BOND AND METHOD FOR PREPARING NORBORNENE TYPE ADDITION POLYMER****(57)Abstract:**

**PROBLEM TO BE SOLVED:** To provide a method of addition polymerizing (a) a norbornene type monomer having a carbon-carbon unsaturated bond in addition to a norbornene ring with high activity as in the case of (b) another norbornene type monomer such as 2-norbornene, and norbornene copolymers obtained by copolymerizing the monomer (a) at any ratio.

**SOLUTION:** Norbornene type monomers are polymerized with the use of a polymerization catalyst composed of (A) a compound of a group 10 transition metal in the periodic table having an alkyl group or an aryl group and a neutral electron donative monodentate ligand and (B) a Lewis acid.

**LEGAL STATUS**

[Date of request for examination] 10.08.2005

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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